


Energy Usage Data System

“An enterprise web system that enables building managers to fully manage their usage data requests”

Kevin Bricknell
Wednesday, May 5, 2010

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The slide features a banner at the top with the text 'ENERGY USAGE DATA' in white, bold, sans-serif font against a blue background. Below the banner is a photograph of a modern building with large glass windows. The main title 'Energy Usage Data System' is centered in a bold, black, sans-serif font. Below the title is a quote in a smaller, black, sans-serif font. The presenter's name and date are listed below the quote. A small number '2' is at the bottom center.




- 3.9 Million Electric Customers in Chicago/Northern IL
- 350,000 Business Customers

Energy Data Services:

- Energy Insights Online (EIO) - Web Based Energy Consumption Tracking
 - Manage Energy Usage by meter (half hour increments)
 - Compares usage with outside temperature
- Energy Usage Data System

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The slide features the ComEd logo at the top left, which includes the text 'ComEd' in a bold, red, sans-serif font and 'An Exelon Company' in a smaller, black, sans-serif font below it. To the right of the logo is a small A.E.S.P. logo. Below the logo are two bullet points with right-pointing arrowheads. The main title 'Energy Data Services:' is in a bold, black, sans-serif font. Below the title are two bullet points with circular markers. The first bullet point has two sub-bullets with horizontal dashes. A small number '3' is at the bottom center.



ComEd's 2008-2010 Energy Efficiency & Demand Response Plan:

"ComEd will encourage customers to use the building benchmarking services available as a first step toward adoption of "whole building" perspective on energy management. ComEd will provide building energy consumption data needed for benchmarking to building owners and, based on the level of consumer interest, may move toward automated data transfer for benchmarking."

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Drivers to Benchmarking - Market Transformation


1) Commission Requirements:

"To further promote market transformation related to energy efficiency, ComEd will provide building energy consumption data needed for benchmarking and load profiling to building owners, and move toward automated data transfer for benchmarking and online market-specific benchmark tools."

Program proposal that ComEd filed with the ICC
November 15, 2007

2) Billing System - CIMS - Windows Based

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Business Decision to Automate


Manual Process:

- Cost
- Time & Labor Intensive
- Long Cycle/Turnaround Times
- Limited Number of Requests



Automate:

- Mandated
- Encourage Benchmarking
- Involve Key Stakeholders
- Easy to Use
- Automate Submissions Directly to ENERGY STAR® Portfolio Manager (July 2009)

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Partnership Between:





IT Contractors- On Site at ComEd

- Energy Industry Consultants with Hardware/Software expertise
- Begin March '08, Completed by June '08, Rollout October '08


- Requirements captured from all key stakeholders:
 - ✓ LCS Account Managers
 - ✓ Marketing
 - ✓ IT (ComEd)
 - ✓ EPA
 - ✓ Customer (Building Mgr)
 - ✓ Customer Service Reps
 - ✓ Billing
 - ✓ Legal

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Before <small>(Manual Process)</small>	After <small>(Automated Process)</small>
<ul style="list-style-type: none"> - Cost to Customer - Cycle Time 10-12 Days - Labor Intensive - Limited Number of Requests - Data Provided Quarterly and/or Annually - Customer contacts ComEd to obtain data 	<ul style="list-style-type: none"> - No Cost to Customer - Cycle Time 1-2 Days - Completely Automated - Unlimited Number of Requests - Monthly Data - Customer empowered to obtain data whenever needed


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EUDS Promotions/Training

- Building Owners & Managers Association (BOMA)
- Illinois Retail Merchants Association (IRMA)
- EPA ENERGY STAR® Portfolio Manager Training Workshops
- ComEd Bill Inserts - 350,000 inserts sent during two separate business billing cycles
- Monthly Newsletters
- Green Ribbon Workshops (1,400 business customers)
- Event Marketing
- Training Webinars
- LCS Account Managers (Customer meetings)

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Bill Insert (Buckslip) Circ~350,000

TWO WAYS TO IMPROVE ENERGY EFFICIENCY

Energy Usage Data
Energy Usage Data Bill


Benchmark your building with the Energy Usage Data tool - free!

Understanding your energy use can improve your energy performance. Access your month-tenant commercial building energy usage data online to rate and compare your building's energy performance using the Energy Star Portfolio Manager.

- Create one-time and recurring reports
- Determine energy performance ratings
- Enter your portfolio of commercial buildings
- Verify tenants that make it in the building
- Learn how you can earn the ENERGY STAR® label
- View whole building energy usage data the week of excellence to energy performance

For more information, contact your ComEd Account Manager or send an e-mail to energyusage@edat.com


Energy Usage Data Bill Insert is available for use. For more information and restrictions, please visit www.edat.com. © 2009 ComEd. All rights reserved.



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Support for Energy Usage Data System:

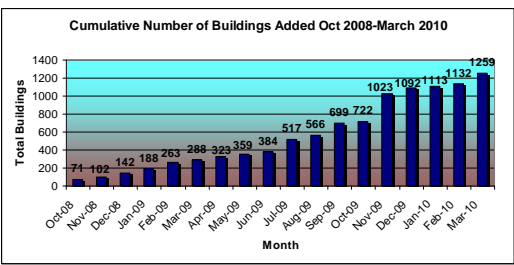
- Technical Support (Calico Energy Services)
- Admin Support (Mad Dash Inc.)
- Online Mailbox
- Online Training
 - Job Aids
 - Webinars
- LCS Account Managers
- Ongoing joint training workshops with the EPA

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Results:

Cumulative Number of Buildings Added Oct 2008-March 2010

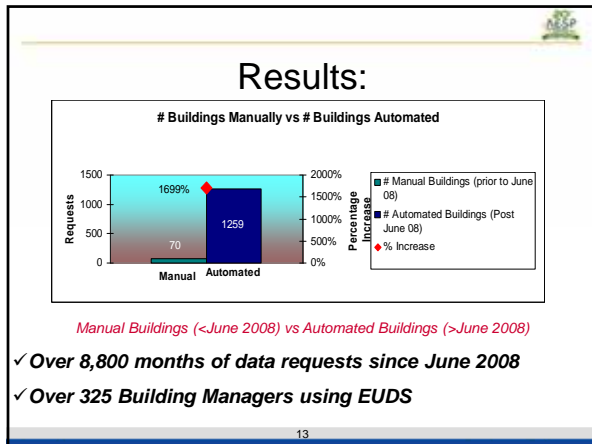


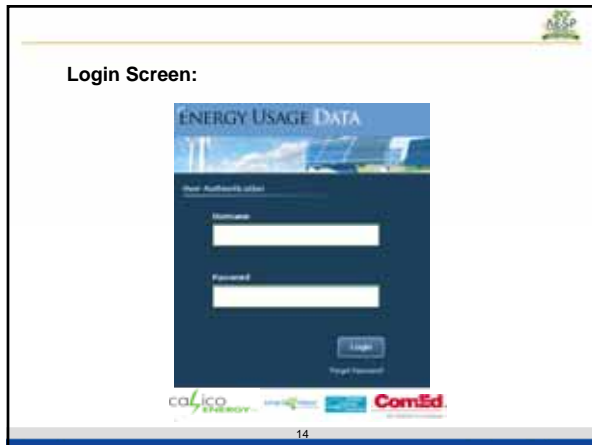
Month	Total Buildings
Oct-08	71
Nov-08	102
Dec-08	142
Jan-09	188
Feb-09	263
Mar-09	288
Apr-09	329
May-09	359
Jun-09	384
Jul-09	517
Aug-09	566
Sep-09	699
Oct-09	722
Nov-09	1023
Dec-09	1092
Jan-10	1113
Feb-10	1132
Mar-10	1259

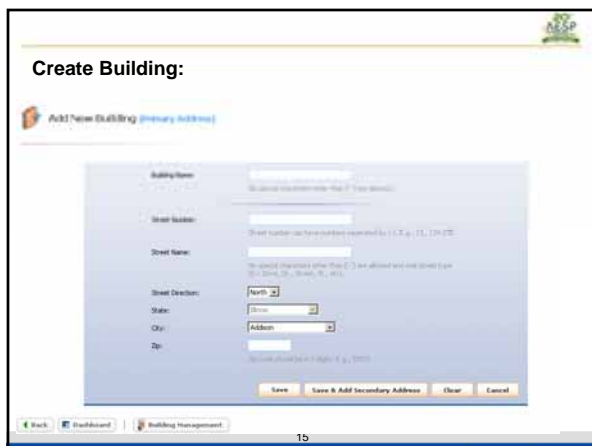
Buildings Added Oct 2008 - March 2010

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Request Data:

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Tenant Verification

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Whole Building Usage Data:

Usage Details (Jan 2008 - Dec 2008)

Customer View

Month Year	Total Monthly Usage (kWh)
Jan 2008	485
Feb 2008	585
Mar 2008	604
Apr 2008	527
May 2008	647
Jun 2008	924
Jul 2008	1,137
Aug 2008	1,843
Sep 2008	889
Oct 2008	1,015
Nov 2008	495
Dec 2008	1,712
Total	22,176

EUDS 2.0 Enhancements, July 2009:

Usage Details

Month, Year	Total Monthly Usage (kWh)
Jan 2009	1,024,512
Feb 2009	1,062,810
Mar 2009	1,025,459
Apr 2009	1,032,294
May 2009	1,150,307
Jun 2009	1,454,724
Jul 2009	1,745,211
Aug 2009	1,296,708
Sep 2009	1,325,079
Oct 2009	1,294,382
Total	8,538,309

Submit to ENERGY STAR

Back Dashboard Report Management

New Feature - Submit Usage Data Directly to ENERGY STAR Portfolio Manager!

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Building Management


Activated button in Building Management screen shows data link to ENERGY STAR.

Building ID	Building Name	Usage Type	Usage	Usage Type	Usage	Usage Type	Usage	Usage Type	Usage	Usage Type	Usage
100	100 - 100 - 100	Usage	100	Usage	100	Usage	100	Usage	100	Usage	100
101	101 - 101 - 101	Usage	101	Usage	101	Usage	101	Usage	101	Usage	101
102	102 - 102 - 102	Usage	102	Usage	102	Usage	102	Usage	102	Usage	102
103	103 - 103 - 103	Usage	103	Usage	103	Usage	103	Usage	103	Usage	103
104	104 - 104 - 104	Usage	104	Usage	104	Usage	104	Usage	104	Usage	104
105	105 - 105 - 105	Usage	105	Usage	105	Usage	105	Usage	105	Usage	105
106	106 - 106 - 106	Usage	106	Usage	106	Usage	106	Usage	106	Usage	106
107	107 - 107 - 107	Usage	107	Usage	107	Usage	107	Usage	107	Usage	107
108	108 - 108 - 108	Usage	108	Usage	108	Usage	108	Usage	108	Usage	108
109	109 - 109 - 109	Usage	109	Usage	109	Usage	109	Usage	109	Usage	109
110	110 - 110 - 110	Usage	110	Usage	110	Usage	110	Usage	110	Usage	110

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Questions?

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Thank You!

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21st National Conference & Expo
January 17-20, 2011 · Hilton Walt Disney Resort